

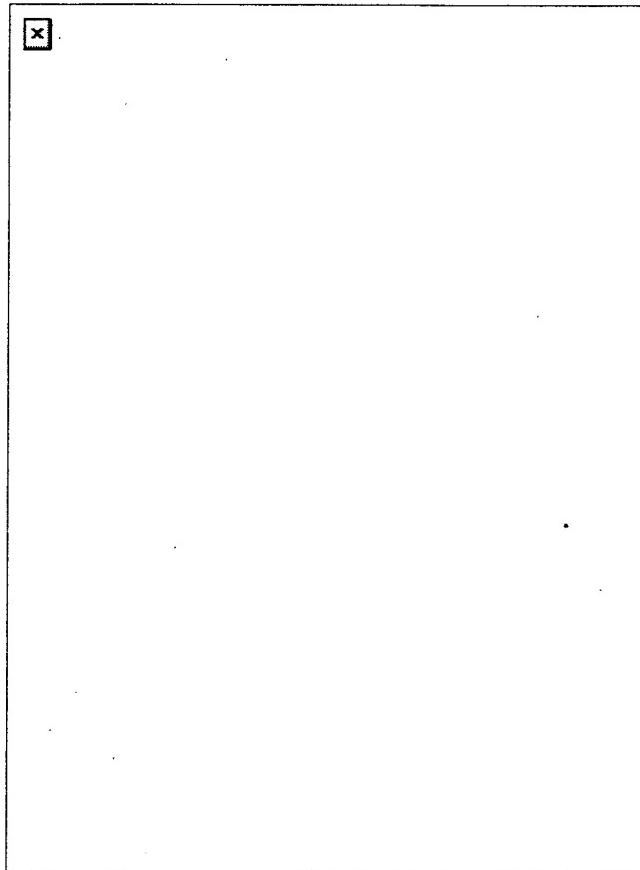
**OPTICAL FINGERPRINT DETECTION MECHANISM**

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**Applicant:** FUJITSU LTD  
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- **european:**  
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**Abstract of JP5242230**

**PURPOSE:** To improve the positioning precision between an optical system and an image pickup element by attaching the image pickup element to a printed circuit board with a positioning plate between them to make a light reception face and the printed circuit board accurately parallel.

**CONSTITUTION:** An image pickup element 14 is soldered to a printed circuit board 17 with a positioning plate 20 between them, and as the result, the light reception face of the image pickup element 14 is certainly parallel with the printed circuit board 17. Since a protective case 24 covering a light source 12 and the image pickup element 14 is fixed after being positioned to the positioning plate 20, the case 24 is parallel with the positioning plate 20; and consequently, arrangement of the image pickup element 14 and the case 24 is unequivocally determined. The positioning precision of a first parallel plane plate 30 placed on the case and a parallel plane plate 31 placed on this plate 30 is fixedly determined to the case 24.



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本発明の第2の実施例を示す構成図

